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Protection of Peanuts: January 1979-July 1985
Citations from AGRICOLA (Agricultural
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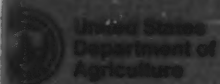
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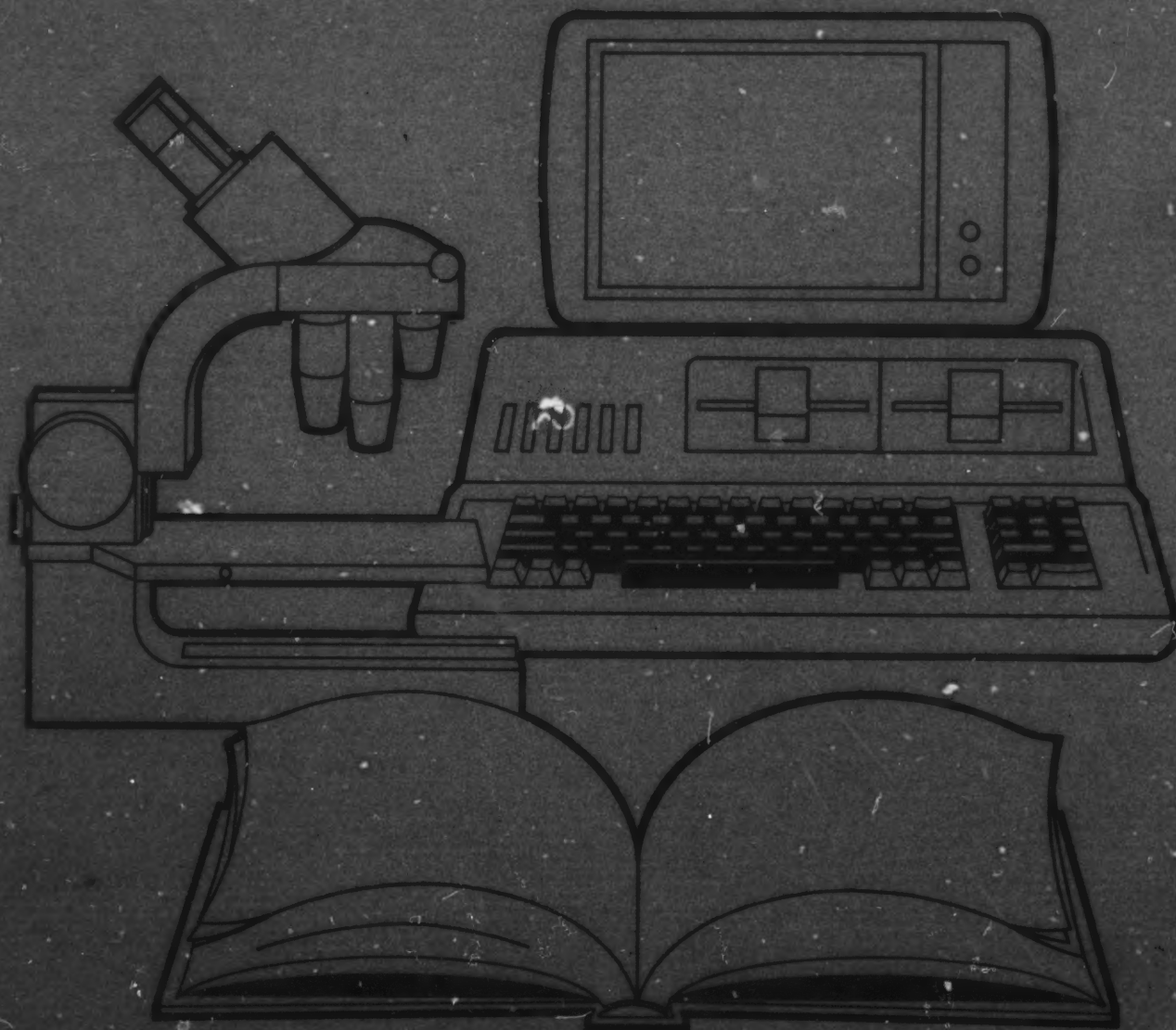
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The Protection of Peanuts: January 1979- July 1985

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Concerning Diseases and Other
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The Protection of Peanuts: January 1979- July 1985

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Considerations**

Compiled and Edited by
Charles N. Bebee
National Agricultural Library

Bibliographies and Literature
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United States Department of Agriculture
National Agricultural Library
Beltsville, Maryland 20705

and

United States Environmental Protection Agency
Office of Pesticides Programs
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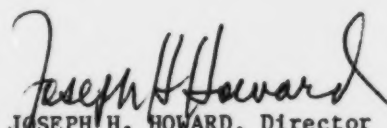
FOREWORD

This is the eighth volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the United States Department of Agriculture, National Agricultural Library (USDA-NAL), and the Environmental Protection Agency, Office of Pesticide Programs (EPA-OPP).

This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from United States publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.


JOSEPH H. HOWARD, Director
National Agricultural Library


STEVEN SCHATZOW, Director
Office of Pesticide Programs

INTRODUCTION

The citations in this bibliography are selected from works by U.S. authors on all aspects of the protection of peanuts from diseases, insects, nematodes, chemicals, or other environmental conditions which affect the yield and quality of this commodity. All citations are derived from AGRICOLA (AGRICultural OnLine Access), the master bibliographic database compiled by the National Agricultural Library for its 1.8-million-volume collection.

This is the ninth bibliography in a series jointly sponsored by the National Agricultural Library, United States Department of Agriculture (USDA-NAL), and the Office of Pesticides Programs, Environmental Protection Agency (EPA-OPP). Other volumes in this series concern protection of corn, soybeans, cotton, wheat, pome fruits, stone fruits, chemigation, and sorghums and millets.

Entries in the bibliography are subdivided into a series of subject headings used in the table of contents of the Bibliography of Agriculture and in the National Agricultural Library Catalog. Each citation appears under the subject heading assigned to the particular item. A complete author index is also included in the publication.

The Office of Pesticides Programs, EPA, has furnished technical assistance to the compiler through members of a commodity-oriented environmental data team which included:

Charles D. Reese
H. Irving Brigham
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Richard Petrie

Any comments or questions may be forwarded to the compiler:

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(PLANT PRODUCTION - FIELD CROPS)

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0036

The effects of irrigation, inoculants and fertilizer nitrogen on peanuts (*Arachis hypogaea* L.). II. Yield.
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0039

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0040

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0041

Influence of cultural and harvest practices on peanut seed quality (Germination, mechanical injury, soil fertility).
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0042

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Hauser, E.W. Buchanan, G.A. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 74-81. 12 ref. (NAL Call No.: SB351.P3P39).

0043

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0045

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PNTSB. Black, M.C. Pataky, J.K.; Bente, M.K.; Wynne, J.C. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 70-73. Includes 20 references. (NAL Call No.: DNAL SB351.P3P39).

0046

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Backman, P.A. Turner, J.T.; Crawford, M.A.; Clay, R.P. Auburn, Ala. : The Station. Highlights of agricultural research - Alabama. Agricultural Experiment Station. Spring 1984. v. 31 (1). p. 4. 111. (NAL Call No.: 100 AL1H).

(PLANT PRODUCTION - FIELD CROPS)

0047

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0052

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0053

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0054

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PLANT BREEDING

0056

Agronomic potential of six *Cylindrocladium* black rot resistant peanut lines
Cylindrocladium crotalariae.
PNTSB. Coffelt, T.A. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 72-75. Includes 15 references. (NAL Call No.: DNAL SB351.P3P39).

0057

Assessment of resistance to *Cercospora arachidicola* in peanut genotypes in field plots (Early leaf spot, *Arachis hypogaea*, wild *Arachis* species, hybrids, evaluated in Oklahoma).
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Hammons, R.O. AR-SO. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 55. (NAL Call No.: SB320.A4).

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0061

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Coffelt, T.A. AR-SO. Porter, D.M.; Garren, K.H. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 54. (NAL Call No.: SB320.A4).

0062

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0063

A comparison of methods of evaluating resistance to *Cylindrocladium crotalariae* in peanut field tests.
PNTSB. Green, C.C. Beute, M.K.; Wynne, J.C. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 66-69. Includes 19 references. (NAL Call No.: DNAL SB351.P3P39).

0064

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0065

Comparison of pod and seed screening methods on *Aspergillus* spp. infection of peanut genotypes.
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0066

Components of resistance to *Puccinia arachidis* in peanuts (Rust, *Arachis hypogaea*, genotypes).
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Henning, R.J. Allison, A.H.; Tripp, L.D. Yoakum, Tex. : American Peanut Research and Education Society. 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. p. 123-136. 111. maps. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

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0068

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Different ratios of general:specific virulence variance among isolates of *Cylindrocladium crotalariae* from different peanut genotypes (*Cylindrocladium black rot*). Black, M.C. Beute, M.K. St. Paul, Minn.: American Phytopathological Society. Phytopathology. Aug 1984. v. 74 (8). p. 941-945. 111. Includes 21 references. (NAL Call No.: 464.8 P56).

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Estimates of (*Cercospora*) leafspot resistance in three interspecific hybrids of *Arachis* (Peanuts). Sharief, Y. Rawlings, J.D. Wageningen, Netherlands Study Circle of Plant Breeding. Euphytica. Oct 1978. v. 27 (3). p. 741-751. 111. 14 ref. (NAL Call No.: 450 EU6).

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Evaluating peanuts for resistance to *Cylindrocladium black rot* (*Calonectria crotalariae*, *Cylindrocladium crotalariae*, groundnut, breeding). Hammons, R.D. Bell, D.K.; Sobers, E.K. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 117-120. Includes 30 ref. (NAL Call No.: SB351.P3P39).

0073

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0075

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0076

Genetic variability and heritability estimates based on the F2 generation from crosses of large-seeded Virginia-type peanuts with lines resistant to *Cylindrocladium black rot* (*Arachis hypogaea*). Green, C.C. PNTSB. Wynne, J.C.; Beute, M.K. Raleigh: American Peanut Research and Education Society. Peanut science. Jan/June 1983. v. 10 (1). p. 47-51. Includes references. (NAL Call No.: SB351.P3P39).

0077

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(PLANT BREEDING)

0079

Inheritance of resistance to *Cercospora arachidicola* and *Cercosporidium personatum* in six Virginia-type peanut lines.
Kornegay, J.L. Beute, M.K.; Wynne, J.C. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1980. v. 7 (1). p. 4-9. 14 ref. (NAL Call No.: SB351.P3P39).

0080

A new gene for peanut mottle virus resistance in soybean.
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0081

Pesticide interactions with peanut cultivars (Genetic vulnerability of crops, herbicide usage).
Hauser, E.W. Buchanan, G.A.; Harvey, J.E.; Currey, W.L.; Gorbet, D.W.; Minton, N.A. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 142-144. Includes 5 ref. (NAL Call No.: SB351.P3P39).

0082

Potential for reducing peanut aflatoxin (breeding for resistance against *Aspergillus*).
Mixon, A.C. AR-SO. Tifton, Ga., Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. May 1980. v. 18 (5). p. 13. 111. (NAL Call No.: HD9235.P3256).

0083

Reducing aflatoxin contamination in peanut genotypes by selection and breeding.
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0084

Registration of *Cercospora arachidicola*-resistant peanut germplasm (Reg. No. GP 10).
Hammons, R.D. AR-SO. Sowell, G. Jr.; Smith, D.H. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1980. v. 20 (2). p. 292. 1 ref. (NAL Call No.: 64.8 C883).

0085

Registration of eight peanut germplasm lines resistant to rust.
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0086

Registration of peanut germplasms Tifrust-1 to Tifrust-4 (Resistance, *Puccinia arachidis*).
Hammons, R.D. Subrahmanyam, P.; Rao, V.R.; Nigam, S.N.; Gibbons, R.W. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1982. v. 22 (2). p. 453. (NAL Call No.: 64.8 C883).

0087

Relationships of CBR and insect resistance and yield among progenies of a CBR-resistant X insect-resistant cross *Cylindrocladium* black rot.
PNTSB. Green, C.C. Wynne, J.C.; Beute, M.K.; Campbell, W.V. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 84-88. Includes 12 references. (NAL Call No.: DNAL SB351.P3P39).

0088

Relative susceptibilities of component lines of peanut cultivars Early Bunch and Florunner to early and late leafspots (*Cercospora arachidicola*, *Cercosporidium personatum*).
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0089

Resistance of peanuts to the twospotted spider mite (Acari: Tetranychidae) (*Tetranychus urticae*, cultivars, North Carolina).
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0090

Resistance to peanut mottle virus in *Arachis* spp.
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0081

Resistance to peanut stunt virus in cultivated and wild *Arachis* species.

Herbert, T.T. Stalker, H.T. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 45-47. 8 ref. (NAL Call No.: SB351.P3P39).

0082

Resistance to rust and late leafspot diseases in some genotypes of *Arachis hypogaea* (*Puccinia arachidis*, *Cercosporidium personatum*, peanuts).

Subrahmanyam, P. McDonald, D.; Gibbons, R.W.; Nigam, S.N.; Nevill, D.J. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. Jan/June 1982. v. 9 (1). p. 6-10. 18 ref. (NAL Call No.: SB351.P3P39).

0083

Screening for resistance to *Cylindrocladium* black rot in peanuts (*Arachis hypogaea* L.) (*Calonectria crotalariae*, *Cylindrocladium crotalariae*, Virginia, genetic vulnerability).

Coffelt, T.A. Garren, K.H. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. Jan/June 1982. v. 9 (1). p. 1-5. 19 ref. (NAL Call No.: SB351.P3P39).

0084

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0085

Screening peanut germ plasm lines by enzyme-linked immunosorbent assay for seed transmission of peanut mottle virus.

Bharathan, N. Reddy, D.V.R.; Rajeshwari, R.; Murthy, V.K.; Rao, V.R.; Lister, R.M. St. Paul, Minn.: American Phytopathological Society. Plant disease. Sept 1984. v. 68 (9). p. 757-758. Includes 12 references. (NAL Call No.: 1.9 P69P).

0086

Screening peanut germplasm for resistance to corn earworm.

PNTSB. Holley, R.N. Weeks, W.W.; Wynne, J.C.; Campbell, W.V. Raleigh: American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 105-108. Includes 11 references. (NAL Call No.: DNAL SB351.P3P39).

0087

Screening peanut plant introductions in controlled environment chambers for resistance to *Rhizoctonia solani*.

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0088

Screening peanuts (*Arachis hypogaea* L.) for resistance to *Sclerotinia* blight.

Coffelt, T.A. AR-SD. Porter, D.M. (s.l.), The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 69. (NAL Call No.: SB320.A4).

0089

A second gene for resistance to peanut mottle virus in soybeans.

Shipe, E.R. Buss, G.R. Madison, Wis., Crop Science Society of America. Crop science. Sept/Oct 1979. v. 19 (5). p. 656-658. 11. 18 ref. (NAL Call No.: 64.8 C883).

0100

Sources of resistance to peanut mottle virus in *Arachis* germ plasm (*Rhizomatosa*).

Melouk, H.A. Sanborn, M.R.; Banks, D.U. St. Paul, Minn.: American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 563-564. Includes references. (NAL Call No.: 1.9 P69P).

0101

Sporulation of *Cercospora arachidicola* as a criterion for screening peanut genotypes for leaf spot resistance (*Arachis* spp., including the domestic *Arachis hypogaea*).

Gobina, S.M. PHYTA. Melouk, H.A.; Banks, D.U. St. Paul: American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 556-558. Includes references. (NAL Call No.: 464.8 P56).

0102

Two-state effort produces highly resistant peanut (Tifton-8, germplasm, disease and pest resistance, Virginia, Georgia).

Tifton, Ga.: Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. Aug 1984. v.22 (8). p. 7. (NAL Call No.: HD9235.P32S6).

(PLANT BREEDING)

0103

Variability of *Cylindrocladium crotalariae*
response to resistant host plant selection
pressure in peanut.

Hadley, B.A. Beute, M.K. St. Paul, Minn.,

American Phytopathological Society.

Phytopathology. Oct 1979. v. 69 (10). p.

1112-1114. 111. 11 ref. (NAL Call No.: 464.8

P56).

PLANT STRUCTURE

0104

Cylindrocladium crotalariae-induced periderm formation in taproot and fibrous roots of *Arachis hypogaea*.

Harris, N.E. PNTSB. Beute, M.K. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1982. v. 9 (2). p. 82-86. 111. 6 ref. (NAL Call No.: SB351.P3P39).

0105

Effects of nitrogen fertilization on *Cylindrocladium* black rot of peanuts and peanut yield (*Cylindrocladium crotalariae*, North Carolina).

Pataky, J.K. Black, M.C.; Hollowell, J.; Beute, M.K. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1984. v. 68 (8). p. 674-677. 111. Includes 13 references. (NAL Call No.: 1.9 P69P).

0106

Genetic, agronomic, botanical, physical, chemical, and organoleptic evaluation of peanuts, *Arachis hypogaea* L. / by Eric Gordon Stone.

Stone, Eric Gordon, 1931. 1968. Thesis (Ph.D.)--Oklahoma State University, 1968. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. x, 149 leaves : 21 cm. Bibliography: leaves 64-67. (NAL Call No.: DISS 69-14,343).

0107

Histological responses of peanut germplasm resistant and susceptible to *Cylindrocladium crotalariae* in relationship to inoculum density (*Arachis hypogaea*, black rot).

Harris, N.E. Beute, M.K. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1250-1256. 111. 19 ref. (NAL Call No.: 464.8 P56).

PLANT NUTRITION

0108

Biochemical studies of peanut (*Arachis hypogaea* L.) quality.
Young, Clyde Thomas. 1930. Ann Arbor, Mich. University Microfilms 1971. Thesis--Oklahoma State University. 1970. x, 174 leaves.
Bibliography: leaves 170-174. (NAL Call No.: DISS 71-11,310).

0109

Critical levels of soil- and nutrient-solution calcium for vegetative growth and fruit development of Florunner peanuts (Includes deficiency).
Wolt, J.D. Adams, F. Madison, Wis., The Society. Journal. Soil Science Society of America. Nov/Dec 1979. v. 43 (6). p. 1159-1164.
111. 19 ref. (NAL Call No.: 56.9 S03).

0110

The effect of rate and method of application of N, P, and K on yield, quality and chemical composition of Spanish and Runner peanuts / by Milton Eldridge Walker.
Walker, Milton Eldridge. 1971. Photocopy. Ann Arbor, Mich.: University Microfilms, 1973. Thesis (Ph.D.)--University of Georgia. 1971. xi, 93 leaves; 21 cm. Bibliography: leaves 61-66. (NAL Call No.: DISS 72-34,159).

0111

Effect of variety, location and year on tannin content of peanut seed coats (Correlation with resistance to *Aspergillus parasiticus*).
Sanders, T.H. Yoakum, Tex., American Peanut Research and Education Association. Peanut science. Jan/June 1979. v. 6 (1). p. 62-64.
111. 8 ref. (NAL Call No.: SB351.P3P39).

0112

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0135

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0140

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(Application methods for peanut crops).
Mayfield, W.D. Raleigh, Harvest. The Peanut
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0141

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0142

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0143

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0144

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0145

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0150

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0151

Controlling late season insects (Peanut). Lynch, R.E. AR-SD. Tifton, Ga., Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. Aug 1980. v. 18 (8). p. 15. 111. (NAL Call No.: HD9235.P32S6).

0152

The damage and control of the lesser cornstalk borer, *Elasmopalpus lignosellus* (Zeller), on peanuts and the effect of soil moisture on its biology / by John C. French. French, John C. (John Carlton), 1930. 1971. Thesis (Ph.D.)--Clemson University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. ix, 80 leaves ; 21 cm. Bibliography: leaves (65)-68. (NAL Call No.: DISS 72-20,771).

0153

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0154

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0155

Does it pay to control thrips? (Peanuts, Florida). Shelton, A. Raleigh, Harvest Publishing Co. The Peanut farmer. July 1981. v. 17 (7). p. 20. 111. (NAL Call No.: SB351.A1P3).

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0156

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Smith, J.W. Jr. College Station : The Station. PR - Texas Agricultural Experiment Station. Mar 1981. Mar 1981. (3855). 2 p. Includes references. (NAL Call No.: 100 T31P).

0157

Ecology of *Elasmopalpus lignosellus* parasite complex on peanuts in Texas.

Johnson, S.J. Smith, J.W. Jr. College Park, Md. : The Society. Annals of the Entomological Society of America. Sept 1981. v. 74 (5). p. 467-471. 20 ref. (NAL Call No.: 420 EN82).

0158

An economic evaluation of integrated pest management for cotton, peanuts, and soybeans in Georgia.

GARBB. Hatcher, J.E. Wetzstein, M.E.; Douce, G.K. Athens, Ga. : The Stations. Research bulletin - University of Georgia, Experiment Stations. Nov 1984. (318). 28 p. maps. Includes references. (NAL Call No.: DNAL S51.E2).

0159

Economics of tobacco thrips (*Frankliniella fusca*) control with systemic pesticides (aldicarb, carbofuran, disulfoton) on Florunner peanuts in Florida.

Tappan, W.B. Gorbet, D.W. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1981. v. 74 (3). p. 283-286. Bibliography p. 286. (NAL Call No.: 421 J822).

0160

Effect of barren soil borders and weed border treatments on movement of the twospotted spider mite into peanut fields (*Tetranychus urticae*, North Carolina).

Boykin, L.S. Campbell, W.V.; Nelson, L.A. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 52-55. ill. Includes 8 references. (NAL Call No.: SB351.P3P39).

0161

Effect of pesticides on *Neozygites floridana* (Entomophthorales: Entomophthoraceae) and arthropod predators attacking the twospotted spider mite (Acari: Tetranychidae) in North Carolina peanut fields (*Tetranychus urticae*, biological control).

Boykin, L.S. Campbell, W.V.; Beute, M.K. College Park, Md. : Entomological Society of

America. Journal of economic entomology. Aug 1984. v. 77 (4). p. 969-975. ill. Includes 18 references. (NAL Call No.: 421 J822).

0162

Effect of planting data on insect damage and yield of peanuts.

Lynch, R.E. AR-SO. Garner, J.W. (s.l.). The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 72. (NAL Call No.: SB320.A4).

0163

Effect of twospotted spider mites

(Acari: Tetranychidae) on large-seeded, Virginia-type peanuts (*Tetranychus urticae*). Smith, J.C. JEENAI. Mazingo, R.W. College Park : Entomological Society of America. Journal of economic entomology. Dec 1983. v. 76 (6). p. 1315-1319. Includes references. (NAL Call No.: 421 J822).

0164

Effects of temperature and adult age on the oviposition rate of *Elasmopalpus lignosellus* (Zeller), the lesser cornstalk borer.

EVETEX. Mack, T.P. Backman, C.B. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1984. v. 13 (4). p. 966-969. Includes references. (NAL Call No.: DNAL QL461.E532).

0165

Evaluation of cultivated and wild peanut species for resistance to the lesser cornstalk borer (Lepidoptera: Pyralidae) (*Elasmopalpus lignosellus*, *Arachis hypogaea*).

Stalker, H.T. Campbell, W.V.; Wynne, J.C. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1984. v. 77 (1). p. 53-57. Includes references. (NAL Call No.: 421 J822).

0166

Evaluation of insecticides for control of foliage-feeding Lepidoptera larvae on Texas peanuts, 1975, 1977, and 1978.

Sams, R.L. TX. Smith, J.W. Jr. College Station, Tex. : The Station. PR - Texas Agricultural Experiment Station. Feb 1980. Feb 1980. (3649). 7 p. 4 ref. (NAL Call No.: 100 T31P).

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0167

Evaluation of insecticides for lesser cornstalk borer (*Elasmopalpus lignosellus*) control on peanuts.

Sams, R.L. TX. Smith, J.W. Jr. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. Aug 1979. Aug 1979. (3587). 5 p. 7 ref. (NAL Call No.: 100 T31P).

0168

Evaluation of pitfall traps for sampling lesser cornstalk borer (*Elasmopalpus lignosellus*) larvae in peanuts (in Alabama).

Jones, D. Bass, M.H. College Park, Entomological Society of America. Journal of economic entomology. Apr 15, 1979. v. 72 (2). p. 289-290. 111. 4 ref. (NAL Call No.: 421 J822).

0169

Evaluation of six insecticides applied at planting for thrips (*Frankliniella fusca*) control on Texas peanuts.

Sams, R.L. Smith, J.W. Jr. College Station, PRTexas. Agricultural Experiment Station. Dec 1978. Dec 1978. (3525). 9 p. 111. 7 ref. (NAL Call No.: 100 T31P).

0170

Evidence for the involvement of soilborne mites (*Caloglyphus* spp.) in *Pythium* (*myriotylum*) pod rot of peanut.

Shew, H.D. Beute, M.K. St. Paul, American Phytopathological Society. Phytopathology. Mar 1979. v. 69 (3). p. 204-207. 111. 22 ref. (NAL Call No.: 464.8 P56).

0171

Fall armyworm leaf consumption (*Spodoptera frugiperda*) and development on Florunner peanuts (*Arachis hypogaea*, pests, varieties, defoliation).

Garner, J.W. Lynch, R.E. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1981. v. 74 (2). p. 191-193. 111. 12 ref. (NAL Call No.: 421 J822).

0172

Fecundity and feeding preference of the twospotted spider mite (*Tetranychus urticae*) on domestic and wild species of peanuts.

Johnson, D.R. Campbell, W.V.; Wynne, J.C. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 1980. v. 73 (4). p. 575-576. 4 ref. (NAL Call No.: 421 J822).

0173

Fecundity of the lesser cornstalk borer, *Elasmopalpus lignosellus*, from Florunner and Spanhoma peanut cultivars (Pest in spanish peanuts grown in Oklahoma).

Berberet, R.C. PNTSB. Cook, P.U.; Sander, D.A. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1982. v. 9 (2). p. 60-62. 111. 6 ref. (NAL Call No.: SB351.P3P39).

0174

Feeding preferences and colonization abilities of three aphid vectors (Homoptera:Aphididae) of peanut mottle virus on selected host plants.

EVETEX. Highland, H.B. Roberts, J.E. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1984. v. 13 (4). p. 970-974. Includes references. (NAL Call No.: DNAL QL461.E532).

0175

Field and laboratory tests for genetic resistance of peanuts to the tobacco thrips, *Frankliniella fusca* (Hinds) / by Sharon Clairene Young.

Young, Sharon Clairene. 1942. Ann Arbor, Mich. University Microfilms 1971. Thesis--Oklahoma State University. 1969. Facsimile produced by microfilm-xerography. ix, 113 leaves. Bibliography: leaves 75-79. (NAL Call No.: DISS 70-21,515).

0176

Greenhouse evaluation of 490 peanut lines for resistance to the lesser cornstalk borer / by J. W. Smith, Jr., L. Posada, and D. D. Smith.

Smith, J. W. Posada, L.; Smith, Olin D. College Station Texas Agricultural Experiment Station, Texas A & M University System 1980. Chiefly tables. 42 p. : 111. : 28 cm. -. (NAL Call No.: 100 T31M no.1464).

0177

Impact of peanut phenology on select population parameters of fall armyworm (*Spodoptera frugiperda*).

Barfield, C.S. AR-SD. Smith, J.W. Jr.; Carlisle, C.; Mitchell, E.R. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1980. v. 9 (4). p. 381-384. 111. 10 ref. (NAL Call No.: QL461.E532).

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0178

Influence of systemic insecticides on thrips damage and yield of Florunner peanuts in Georgia (*Frankliniella fusca*, *Arachis hypogaea*).
Lynch, R.E. Garner, J.W.; Morgan, L.W. Clemson, S.C. : South Carolina Entomological Society. Journal of agricultural entomology. Jan 1984. v. 1 (1). p. 33-42. Includes references. (NAL Call No.: SB599.J69).

0179

Insects to watch for when you irrigate (Peanuts).
Womack, H. Raleigh, Harvest. The Peanut farmer. June 1979. v. 15 (6). p. 35. (NAL Call No.: SB351.A1P3).

0180

Insects vs. you (Peanut pest management).
Adams, D.B. Raleigh, Harvest. The Peanut farmer. Mar 1980. v. 16 (3). p. 24. (NAL Call No.: SB351.A1P3).

0181

Irrigate insects: a research update on what's being done to control insects through irrigation (Peanuts).
Tifton, Ga., Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. Aug 1980. v. 18 (8). p. 10. (NAL Call No.: HD9235.P32S6).

0182

Leaf area consumption of cotton, peanuts, and soybeans by adult *Graphognathus peregrinus* and *Graphognathus leucoloma*.
Otters, R.J. Todd, J.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 55-57. 111. 9 ref. (NAL Call No.: 421 J822).

0183

Lesser cornstalk borer control in peanuts.
Cobb, L.C. Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. July 1984. v. 22 (7). p. 7. (NAL Call No.: HD9235.P32S6).

0184

Lesser cornstalk borer: effect of host and stage of host development on damage (Peanuts).
Lynch, R.E. Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. July 1984. v. 22 (7). p. 9. (NAL Call No.: HD9235.P32S6).

0185

Lesser cornstalk borer (*Elasmopalpus lignosellus*) larval density and damage to peanuts (in Gorman, Texas).
Smith, J.W. Jr. Holloway, R.L. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 535-537. 111. 22 ref. (NAL Call No.: 421 J822).

0186

Management of insect pests of broccoli, cowpeas, spinach, tomatoes, and peanuts with chemigation by insecticides in oils, and reduction of watermelon virus 2 by chemigated oil.
Chalfant, R.B. Young, J.R. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1984. v. 77 (5). p. 1323-1326. Includes 6 references. (NAL Call No.: 421 J822).

0187

Management of preharvest insects.
Smith, J.W. Jr. Barfield, C.S. Yoakum, Tex. : American Peanut Research and Education Society. 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. Literature review. p. 250-325. 111. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0188

Method for determining age structure of adult populations of the lesser cornstalk borer (*Lepidoptera: Pyralidae*) (*Elasmopalpus lignosellus*, peanuts, soybeans, corn, grain sorghum).
Funderburk, J.E. Herzog, D.C.; Lynch, R.E. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1984. v. 77 (2). p. 541-544. 111. Includes references. (NAL Call No.: 421 J822).

0189

New disease no threat to state's peanut crop (Stripe virus, aphid-transmitted diseases, Georgia).
Tifton, Ga. : Georgia Agricultural Commodity Commission for Peanuts. Southeastern peanut farmer. Mar 1984. v. 22 (3). p. 26. (NAL Call

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0336

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0422

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0426

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0428

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0431

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0433

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0434

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0435

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0436

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0437

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0438

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0446

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0460

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0461

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0462

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0463

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0464

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0465

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0466

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0467

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0468

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0469

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0470

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0471

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0472

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0473

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0474

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0475

Peanut stunt virus : field incidence and insect vector relationships in North Carolina / by Johnny Anthony Bloch.
Bloch, Johnny Anthony, 1940. 1971. Thesis (Ph.D.)--North Carolina State University at Raleigh, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. x, 115 leaves ; 21 cm. Bibliography: leaves 109-115. (NAL Call No.: DISS 71-29,440).

0476

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Sun, King-chain, 1938. 1971. Thesis (Ph.D.)--North Carolina State University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. vii, 33 leaves ; 21 cm. Bibliography: leaves 31-33. (NAL Call No.: DISS 72-3,545).

0477

Purification and serology of peanut mottle virus (from peanuts, *Arachis hypogaea*, and peas, *Pisum sativum*).
Tolin, S.A. PHYTA. Ford, R.H. St. Paul : American Phytopathological Society. Phytopathology, June 1983. v. 73 (6). p. 899-903. Includes references. (NAL Call No.: 464.8 P56).

0478

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Demski, J.W. Sowell, G. Jr. Yoakum, Tex., American Peanut Research and Education Society. Peanut science, Jan/June 1981. v. 8 (1). p. 43-44. 16 ref. (NAL Call No.: SB351.P3P39).

0479

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Shipe, E.R. Buss, G.R. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter, Sept 1979. v. 63 (9). p. 757-760. 111. 11 ref. (NAL Call No.: 1.9 P69P).

0480

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Herbert, T.T. Stalker, H.T. Yoakum, Tex., American Peanut Research and Education Society. Peanut science, Jan/June 1981. v. 8 (1). p. 45-47. 8 ref. (NAL Call No.: SB351.P3P39).

0481

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Bharathan, N. Reddy, D.V.R.; Rajeshwari, R.; Murthy, V.K.; Rao, V.R.; Lister, R.M. St. Paul, Minn. : American Phytopathological Society. Plant disease, Sept 1984. v. 68 (9). p. 757-758. Includes 12 references. (NAL Call No.: 1.9 P69P).

0482

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Shipe, E.R. Buss, G.R. Madison, Wis., Crop Science Society of America. Crop science, Sept/Oct 1979. v. 19 (5). p. 656-658. 111. 18 ref. (NAL Call No.: 64.8 C883).

0483

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Kaper, J.M. BBRCA. Tousignant, M.E. New York : Academic Press. Biochemical and biophysical research communications, Nov 15, 1983. v. 116 (3). p. 1168-1175. 111. Includes references. (NAL Call No.: 442.8 B5236).

0484

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Melouk, H.A. Sanborn, M.R.; Banks, D.J. St. Paul, Minn. : American Phytopathological Society. Plant disease, July 1984. v. 68 (7). p. 563-564. Includes references. (NAL Call No.: 1.9 P69P).

0485

Studies on peanut mottle virus : purification, identification of strains, and effect of yield / by Onofre R. Paguio.
Paguio, Onofre R. Ann Arbor, Mich. University Microfilms 1973. Thesis--University of Georgia, 1972. Facsimile produced by microfilm-xerography. x, 87 leaves. Bibliography: leaves 62-67. (NAL Call No.: DISS 73-5,755).

0486

The transmission of peanut stunt virus and its effects on peanut yields / by Thomas Louis Steepy.
Steepy, Thomas Louis, 1941. 1971. Thesis (Ph.D.)--North Carolina State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. iv, 44 leaves ; 21 cm.

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0487

Transmission of tomato spotted wilt virus, the causal agent of bud necrosis of peanut, by *Scirtothrips dorsalis* and *Frankliniella schultzei*.

Amin, P.W. Reddy, D.V.R.; Ghanekar, A.M.; Reddy, M.S. St. Paul, Minn., American Phytopathological Society. Plant disease. Aug 1981. v. 65 (8). p. 663-665. ill. 16 ref. (NAL Call No.: 1.9 P69P).

0488

Varietal response of snap beans to peanut stunt virus (Cultivars, United States).

Meiners, J.P. Lincoln, Neb. Annual report Bean Improvement Cooperative. Mar 1979. v. 22. p. 36-37, 38-39. ill. (NAL Call No.: SB327.A1B5).

0489

Yield responses of six white clover clones to virus infection under field conditions.

PLDRA. Campbell, C.L. Moyer, J.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1984. v. 68 (12). p. 1033-1035. Includes 12 references. (NAL Call No.: DNAL 1.9 P69P).

PLANT DISEASES - PHYSIOLOGICAL

0490

Critical levels of soil- and nutrient-solution calcium for vegetative growth and fruit development of Florunner peanuts (Includes deficiency).

Wolt, J.D. Adams, F. Madison, Wis., The Society. Journal. Soil Science Society of America. Nov/Dec 1979. v. 43 (6). p. 1159-1164. 111. 19 ref. (NAL Call No.: 56.9 S03).

0491

Effect of phosphate on regulation of Fe (iron) stress response in soybean and peanut (*Glycine max*, *Arachis hypogaea*).

Chaney, R.L. Coulombe, B.A. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). p. 469-487. 111. 36 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

0492

Involvement of nutrition and fungi in the peanut pod rot complex (*Arachis hypogaea*, *Pythium* spp., *Rhizoctonia* spp., *Fusarium* spp., calcium deficiency disorders).

Csinos, A.S. Gaines, T.P.; Walker, M.E. St. Paul, American Phytopathological Society. Plant disease. Jan 1984. v. 68 (1). p. 61-65. Includes references. (NAL Call No.: 1.9 P69P).

0493

Remedy of lime-induced chlorosis with iron-enriched muck (*Arachis hypogaea*, peanuts).

Chen, Y. Navrot, J.; Barak, P. New York ; Basel : Marcel Dekker, 1982. Iron nutrition and interactions in plants : Brigham Young University, August 12-14, 1981 / edited by S.D. Nelson ... (et al.). p. 927-940. 12 ref. (NAL Call No.: QK867.J67 v. 5, nos. 4-7).

MISCELLANEOUS PLANT DISORDERS

0494

Absorption, translocation, and degradation of SN 533 by soybeans (*Glycine max*) and peanuts (*Arachis hypogaea*) (Herbicide, phytotoxicity). Harrison, H.F. Jr. WEESA. Slife, F.W. Champaign : Weed Science Society of America. Weed science. Mar 1983. v. 31 (2). p. 259-263. 111. Includes references. (NAL Call No.: 79.8 W41).

0495

Hazards of MSMA and DSMA for peanut weed control.

Walker, R.H. Hiltbold, A.E.; Granade, G. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Spring 1982. v. 29 (1). p. 3. 111. (NAL Call No.: 100 AL1H).

0496

Influence of cultural and harvest practices on peanut seed quality (Germination, mechanical injury, soil fertility).

McLean, D.E. Sullivan, G.A. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 145-148. Includes 18 ref. (NAL Call No.: SB351.P3P39).

0497

Inhibition of photosynthesis by ethylene--a stomatal effect (Includes peanuts, sweet potato, Jerusalem artichoke, sunflowers).

Pallas, J.E. Jr. Kays, S.J. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Apr 1981. Abstract only. v. 87 (4). p. 18. 111. (NAL Call No.: 450 P892).

0498

Injury and yield responses of peanuts to chronic doses of ozone in open-top field chambers (*Arachis hypogaea*, air pollution damage).

Heagle, A.S. PHYTA. Letchworth, M.B.; Mitchell, C.A. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 851-856. Includes references. (NAL Call No.: 484.8 P56).

0499

Problems from pesticide-induced foliar phytotoxicity investigated in peanuts.

HARAA. Hancock, H.G. Weete, J.D.; Backman, P.A.; Hammond, J.M. Auburn, Ala. : The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Winter 1984. v. 31 (4). p. 17. 111. (NAL Call No.: DNAL 100 AL1H).

PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.

0500

Effect of chemical and biological agents on the incidence of *Aspergillus flavus* and aflatoxin contamination of peanut seed.

PHYTAU. Mixon, A.C. Bell, D.K.; Wilson, D.M. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Dec 1984. v. 74 (12). p. 1440-1444. Includes 27 references. (NAL Call No.: DNAL 464.8 P56).

green beans; lima beans; broad beans; lentils; garden peas; soybeans; alfalfa; groundnuts; cowpeas; sugar beets; grapes and grapevine leaves; parsnips; parsley; celery; safflower; and mulberry plants. A multidisciplinary effort is needed to establish a monitoring system for stress compounds in food. Many plants have not yet been investigated and little consideration has been given to environmental stress from temperature, rainfall, agronomic practices, etc. In-depth toxicological studies are needed. Journal of food protection, June 1979. v. 42 (6). p. 496-501, 475. 111. 68 ref.

0501

Effect of preparation (fumigation) and storage environment on lifespan of shelled peanut seed (Germination).

Norden, A.J. Madison, Wis., Crop Science Society of America. Crop science. Mar 1981. v. 21 (2). p. 263-266. 7 ref. (NAL Call No.: 64.8 C883).

0502

Foreign material extractors for peanut flowpipes (Alternative to cleaning before storage, equipment, Georgia).

Blankenship, P.D. Davidson, J.I. Jr.; Sanders, T.H.; Layton, R.C.; Willis, J.W. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 10-12. Includes 8 references. (NAL Call No.: SB351.P3P39).

0503

Peanut storage, pests and contaminants (Includes aflatoxins).

Maclean, J.T. Beltsville : The Library. Quick bibliography series - National Agricultural Library. Oct 1983. Bibliography. Oct 1983. (84-06). 28 p. (NAL Call No.: a7CQ71.N3).

0504

Screening Virginia-type farmers' stock peanuts before storage (Filtering device to eliminate foreign material before grading and storage).

Dickens, J.W. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 13-16. Includes 9 references. (NAL Call No.: SB351.P3P39).

0505

Stress metabolites of plants - A growing concern.

Wood, Garnett E. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Abstract: The concentration of certain compounds that are natural constituents of plants may increase to toxic levels under various stress conditions. The stress compounds produced in the following plants consumed directly in the United States are discussed:

PROTECTION OF PLANT PRODUCTS - INSECTS

0506

Automating spraying (insecticide) systems for farmers stock peanuts.
Smith, J.S. Jr. Davidson, J.I.; Bennett, C.T. Suffolk, Va., Peanut Journal Publishing Co. Peanut journal and nut world, July 1981, v. 60 (9), p. 7-8, 10, 111. (NAL Call No.: 77.8 P313).

0507

Dichlorvos aerosol as a space treatment for peanut shelling plants (Insect pests control of stored products).
Redlinger, L.M. AR-50. Davidson, J.I. Jr.; Gillenwater, H.B.; Simonaitis, R.A. (s.l.). The Society. Proceedings of American Peanut Research and Education Society, Sept 1980, v. 12 (1), p. 39. (NAL Call No.: SB320.A4).

0508

Evaluation of commercial formulations of *Bacillus thuringiensis* for control of the indianmeal moth and almond moth (Lepidoptera: Pyralidae) in stored inshell peanuts (*Plodia interpunctella*, *Ephestia cautella*).
McGaughey, W.H. College Park, Entomological Society of America. Journal of economic entomology, Aug 1982, v. 75 (4), p. 754-757, 5 ref. (NAL Call No.: 421 J822).

0509

Fumigation of imported shelled peanuts with methyl bromide (against khapra beetles, *Trogoderma granarium*, residues).
Leesch, J.G. PNTSB. Redlinger, L.M.; Young, C.T.; Sukkestad, D.R. Raleigh : American Peanut Research and Education Society. Peanut science, Jan/June 1983, v. 10 (1), p. 33-36, 111. Includes references. (NAL Call No.: SB351.P3P39).

0510

Growth of *Ephestia cautella* (Walker) population under conditions found in an empty peanut warehouse and response to variations in the distribution of larval food.
Hagstrum, D.W. College Park, Md. : Entomological Society of America. Environmental entomology, Feb 1984, v. 13 (1), p. 171-174. Includes references. (NAL Call No.: QL461.E532).

0511

Insect control in postharvest peanuts.
Redlinger, L.M. Davis, R. Yoakum, Tex. : American Peanut Research and Education Society, 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. Literature review, p. 520-570, 111. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0512

Insect growth regulators: new protectants against the almond moth (*Ephestia cautella*) in stored inshell peanuts.
Nickle, D.A. College Park, Md., Entomological Society of America. Journal of economic entomology, Dec 1979, v. 72 (6), p. 816-819, 111, 14 ref. (NAL Call No.: 421 J822).

0513

Insecticide resistance in selected stored-product insects infesting peanuts in the southeastern United States (*Ephestia cautella*, *Plodia interpunctella*, *Tribolium castaneum*).
Zettler, J.L. College Park, Md., Entomological Society of America. Journal of economic entomology, Apr 1982, v. 75 (2), p. 359-362, 1 p. ref. (NAL Call No.: 421 J822).

0514

Mortality and reproduction of *Ephestia cautella* and *Plodia interpunctella* exposed as pupae to high temperatures (Stock peanut pests, southeastern USA).
Arbogast, R.T. College Park, Md., Entomological Society of America. Environmental entomology, Oct 15, 1981, v. 10 (5), p. 708-711, 8 ref. (NAL Call No.: QL461.E532).

0515

The natural occurrence of the egg parasite, *Trichogramma*, on almond moth eggs in peanut storages in Georgia (Biological control).
Brower, J.H. Athens, Ga. : The Society. Journal of the Georgia Entomological Society, July 1984, v. 19 (3), p. 285-290. Includes 20 references. (NAL Call No.: QL461.G4).

0516

Peanut storage, pests and contaminants (Includes aflatoxins).
Maclean, J.T. Beltsville : The Library. Quick bibliography series - National Agricultural Library, Oct 1983. Bibliography, Oct 1983. (84-06), 28 p. (NAL Call No.: aZ5071.N3).

(PROTECTION OF PLANT PRODUCTS - INSECTS)

0517

Phosphine and methyl bromide fumigation of shelled peanuts (control of *Tribolium castaneum*, *Sitophilus oryzae* and *Plodia interpunctella*, residues, adverse effects). Leesch, J.G. Gillenwater, H.B. Yoakum, Tex., American Peanut Research and Education Association. Peanut science. Jan/June 1979. v. 6 (1). p. 18-26. 111. 7 ref. (NAL Call No.: SB351.P3P39).

0518

Pirimiphos-methyl and chlorpyrifos-methyl as controls of indigenous insect infestations in farmers' stock peanuts (Stored product insects).

Lahue, D.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 621-624. 111. 1 ref. (NAL Call No.: 421 JB22).

0519

Provisioning with prepolymerized hosts (*Ephestia cautella*) to improve parasite (*Bracon hebetor*) effectiveness: a pest management strategy for stored commodities (Peanuts).

Nickle, D.A. Hagstrum, D.W. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1981. v. 10 (4). p. 560-564. 111. 7 ref. (NAL Call No.: QL461.E532).

0520

The use of controlled atmospheres to eliminate insect infestations in stored grain and peanuts / by Edward G. Jay.

Jay, Edward George. 1932. 1970. Thesis (Ph.D.)--University of Georgia, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. v. 40 leaves : 21 cm. Includes bibliographies. (NAL Call No.: DISS 71-3,745).

0521

Vertical dispersion and control efficacy of the predator *Xylocoris flavipes* (Reuter) (Hemiptera: Anthrenidae) in farmers stock peanuts (*Cathartus quadricollis*, *Dryasophilus mercator*, biological control).

Press, J.W. Flaherty, B.R. Manhattan. Journal Kansas Entomological Society. July 1979. v. 52 (3). p. 561-564. 111. 7 ref. (NAL Call No.: 420 K13).

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0522

Absorption and translocation of tetrafluron in cotton (*Gossypium hirsutum*), jimsonweed (*Datura stramonium*), peanut (*Arachis hypogaea*), and prickly sida (*Sida spinosa*) (Urea herbicides). Pinto, H. Corbin, F.T. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1980. v. 28 (5). p. 557-565. 111. 18 ref. (NAL Call No.: 79.8 W41).

0523

Benefin degradation rate and effect on subsequent rotation crops in the Southeast (Herbicide for weed control in peanuts, Alabama, Florida and Georgia). Burnside, K.R. Addison, D.A.; Cooper, R.B.; Hicks, R.D.; Webster, H.L. Champaign: The Society. Proceedings - Southern Weed Science Society. 1982. 1982. (35th). p. 56-63. (NAL Call No.: 79.9 S08).

0524

Chemical weed control in peanuts. Swann, C.W. Athens, Ga.: The Service. Bulletin - Georgia University, Cooperative Extension Service. Jan 1981. Jan 1981. (825). 9 p. (NAL Call No.: 275.29 G29B).

0526

Chemical weed control in peanuts. Swann, C.W. Athens, Ga.: The Service. Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture. Jan 1985. (825, rev.). 12 p. (NAL Call No.: DNAL 275.29 G29B).

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Chemical weed control in peanuts. Swann, C.W. Athens, Ga.: The Service. Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture. Jan 1982. Jan 1982. (825). 11 p. (NAL Call No.: 275.29 G29B).

0527

Chemical weed control in peanuts. Swann, C.W. Athens: The Service. Bulletin - Cooperative Extension Service, University of Georgia, College of Agriculture. Jan 1984. Jan 1984. (825, rev.). 8 p. (NAL Call No.: 275.29 G29B).

0528

Chemical weed control in peanuts. Greer, H.A.L. Dunn, C. Stillwater. D.S.U. extension facts. Science serving agriculture Oklahoma State University, Cooperative Extension Service. Feb 1979. Feb 1979. (2759). 4 p. 111. (NAL Call No.: S544.3.0505).

0529

Chemical weed control in peanuts. Swann, C.W. GA. Athens, Ga.: The Service. Bulletin - Cooperative Extension Service, University of Georgia College of Agriculture, Athens, Georgia. University, Cooperative Extension Service. Dec 1979. Dec 1979. (825). 10 p. 111. (NAL Call No.: 275.29 G29B).

0530

Control of bur gherkins (*Cucumis anguria*) in peanuts (*Arachis hypogaea*) with herbicides. Buchanan, G.A. Hauser, E.W.; Patterson, R.M. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 66-73. 4 ref. (NAL Call No.: SB351.P3P39).

0531

Control of hophornbeam copperleaf. AKFRA. Driver, T.L. Oliver, L.R. Fayetteville, Ark.: The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Sept/Oct 1984. v. 33 (5). p. 6. 111. (NAL Call No.: DNAL 100 AR42F).

0532

Control of *Sclerotium rolfsii* (cause of southern blight) and weeds in peanuts by solar heating of the soil (Israel). Grinstein, A. SEA. Katan, J.; Abdul Razik, A.; Zeydan, O.; Elad, Y. Beltsville, Md., The Administration. Plant disease reporter. United States. Dept. of Agriculture. Science and Education Administration. Dec 1979. v. 63 (12). p. 1056-1059. 111. 9 ref. (NAL Call No.: 1.9 P69P).

0533

Control of yellow nutsedge with selected herbicides (Weed control in peanut fields). Grichar, W.J. Boswell, T.E.; Merkle, M.G. College Station: The Station. PR - Texas Agricultural Experiment Station. Mar 1981. Mar 1981. (3858). 2 p. (NAL Call No.: 100 T31P).

0534

Cracking-stage herbicides: key to control of broadleaf weeds (in peanuts).
Swann, C.W. Mar 1979. v. 94 (3). Progressive farmer for the West. Mar 1979. v. 94 (3). p. N13, N15. 111. (NAL Call No.: 6 T311).

0535

Effect of barren soil borders and weed border treatments on movement of the twospotted spider mite into peanut fields (*Tetranychus urticae*, North Carolina).

Boykin, L.S. Campbell, W.V.; Nelson, L.A. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 52-55. 111. Includes 8 references. (NAL Call No.: SB351.P3P39).

0536

The effect of sprinkler irrigation on herbicide efficacy, distribution, and penetration in some Coastal Plain soils (Applied on corn, peanuts and soybeans, weed control, southwest Georgia).
Dowler, C.C.GARRA. Rohde, W.A.; Fetzer, L.E.; Scott, D.E. Sr.; Sklany, T.E. Athens : The Stations. Research report - University of Georgia, College of Agriculture, Experiment Stations. Aug 1982. Aug 1982. (281). 27 p. 111. Includes references. (NAL Call No.: S51.E22).

0537

Effects of Florida Beggarweed (*Desmodium tortuosum*) and sicklepod (*Cassia obtusifolia*) on peanut (*Arachis hypogaea*) yield (crop-weed competition).
Hauser, E.W. Buchanan, G.A.; Nichols, R.L.; Patterson, R.M. Champaign : Weed Science Society of America. Weed science. Nov 1982. v. 30 (6). P. 602-604. 14 ref. (NAL Call No.: 79.8 W41).

0538

Effects of row spacing, weed-free maintenance periods and herbicide systems on the yield of florunner peanuts.
Hauser, E.W. AR-50. Buchanan, G.A.; Slaughter, J.W. Yoakum, Tex., The Association. Proceedings - American Peanut Research and Education Association. American Peanut Research and Education Association. 1979. v. 11 (1). p. 42. (NAL Call No.: SB320.A4).

0539

Efficiency of chemical and mechanical methods for controlling weeds in peanuts (*Arachis hypogaea*) (Herbicides mechanical cultivation hand-hoeing, Alabama).
Bridges, D.C. Walker, R.H.; McGuire, J.A.; Martin, N.R. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1984. v. 32 (5). p. 584-591. 111. Includes 17 references. (NAL Call No.: 79.8 W41).

0540

Grass and broadleaf weed control in peanuts (Herbicides).
Boswell, T.E. Merkle, M.G.; Grichar, W.J. College Station : The Station. PR - Texas Agricultural Experiment Station. Mar 1981. Mar 1981. (3859). 2 p. (NAL Call No.: 100 T31P).

0541

Herbicide, cultivation, or hoe. Which combination is best for peanut weed control.
Bridges, D. Walker, R.H.; Patterson, M.; McGuire, J. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Spring 1982. v. 29 (1). p. 11. (NAL Call No.: 100 AL1H).

0542

Highlights of weed research in corn, intensive cropping, peanuts, rice, and sugarcane (Chemical control).
Hauser, E.W. Champaign, Ill., Weeds Today, Inc. Weeds today. Winter 1979. v. 10 (4). p. 10-11. 111. (NAL Call No.: SB610.W4).

0543

Influence of row spacing on competitiveness and yield of peanuts (*Arachis hypogaea*) (infested with *Cassia obtusifolia* and *Desmodium tortuosum*).
Buchanan, G.A. Hauser, E.W. Champaign, Ill., Weed Science Society of America. Weed science. July 1980. v. 28 (4). p. 401-406. 111. 11 ref. (NAL Call No.: 79.8 W41).

0544

Influence of row spacing, seeding rates and herbicide systems on the competitiveness and yield of peanuts (Alabama).
Hauser, E.W. Buchanan, G.A. Yoakum, Tex., American Peanut Research and Education Society. Peanut science. Jan/June 1981. v. 8 (1). p. 74-81. 12 ref. (NAL Call No.: SB351.P3P39).

(WEEDS)

0545

Influence of twin rows on yield and weed control in peanuts.

PNTSB. Wentje, G. Walker, R.H.; Patterson, M.G.; McGuire, J.A. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1984. v. 11 (2). p. 88-91. Includes 9 references. (NAL Call No.: DNAL SB351.P3P39).

0546

Influence of weed control programs in intensive cropping systems.

WEESA6. Glaze, N.C. Dowler, C.C.; Johnson, A.W.; Sumner, D.R. Champaign, Ill. : Weed Science Society of America. Weed science. Nov 1984. v. 32 (6). p. 762-767. Includes 10 references. (NAL Call No.: DNAL 79.8 W41).

0547

Interaction of dinitramine and dinoseb with *Cylindrocladium crotalariae* and the *Cylindrocladium* black rot (CBR) disease of peanut.

PNTSB. Barron, J.A. Phipps, P.M. Raleigh : American Peanut Research and Education Society. Peanut science. July/Dec 1983. v. 10 (2). p. 97-106. Includes 11 references. (NAL Call No.: DNAL SB351.P3P39).

0548

Interference of broadleaf signalgrass (*Brachiaria platyphylla*) in peanuts (*Arachis hypogaea*) (Weed control).

Chamblee, R.W. Thompson, L. Jr.; Coble, H.D. Champaign, Ill. : Weed Science Society of America. Weed science. Jan 1982. v. 30 (1). p. 45-49. Includes 16 ref. (NAL Call No.: 79.8 W41).

0549

Management of broadleaf signalgrass (*Brachiaria platyphylla*) in peanuts (*Arachis hypogaea*) with herbicides.

Chamblee, R.W. Thompson, L. Jr.; Bunn, T.M. Champaign, Ill. : Weed Science Society of America. Weed science. Jan 1982. v. 30 (1). p. 40-44. Includes 3 ref. (NAL Call No.: 79.8 W41).

0550

Metolachlor: new herbicide for peanuts.

Buchanan, G.A. AL. Walker, R.H.; Jolley, E.R.; Starling, J.; Ivey, H. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Summer 1980. v. 27 (2). p. 13. Includes 11 ref. (NAL Call No.: 100 AL1H).

0551

Oxyfluorfen (a selective pre- and postemergence herbicide that controls broadleaf weeds in economically important crops such as soybeans, rice, peanuts, cotton, corn, forest, orchard, and plantation crops).

Adler, I.L. Hofmann, C.K. New York, Academic Press, 1980. Updated general techniques and additional pesticides, edited by Gunter Zweig and Joseph Sherma. p. 331-341. Includes 3 ref. (NAL Call No.: 395).

0552

Peanut weed control--key to a package (in Georgia).

Swann, C.W. Champaign, Ill. Weeds today. Spring 1979. v. 10 (2). p. 25-26. Includes 11 ref. (NAL Call No.: SB610.W4).

0553

Peanuts in narrow rows suppress weeds, boost yields.

Buchanan, G.A. AL-AR-SO. Hauser, E.; Starling, J.; Ivey, H. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Summer 1980. v. 27 (2). p. 7. Includes 11 ref. (NAL Call No.: 100 AL1H).

0554

Pesticide interactions with peanut cultivars (Genetic vulnerability of crops, herbicide usage).

Hauser, E.W. Buchanan, G.A.; Harvey, J.E.; Currey, W.L.; Gorbet, D.W.; Minton, N.A. Raleigh, N.C., American Peanut Research and Education Society. Peanut science. July/Dec 1981. v. 8 (2). p. 142-144. Includes 5 ref. (NAL Call No.: SB351.P3P39).

0555

Principles and practices of weed control in peanuts.

Swann, C.W. Athens, Ga., The Service. Bulletin - Georgia University, Cooperative Extension Service. June 1980. June 1980. (833). 16 p. Includes 11 ref. (NAL Call No.: 275.29 G29B).

0556

Production of peanuts as affected by weed competition and row spacing / Ellis Hauser and Gale A. Buchanan.

Hauser, Ellis. Auburn University Alabama Agricultural Experiment Station, Auburn University 1982. Caption title - "November 1982". 35 p. : Includes (some col.) ; 23 cm. -. Bibliography: p. 35. (NAL Call No.: 100 ALIS (1) no.538).

0557

Sethoxydim and dalapon application to rhizomes for common bermudagrass control in rhizoma peanut.
Canudas-Lara, E.G. Quesenberry, K.H.; Teem, D.H.; Prine, G.M. S.1. : The Society. Proceedings - Soil and Crop Science Society of Florida. 1984. v. 43. p. 174-177. ill. Includes references. (NAL Call No.: DNAL 56.9 S032).

0558

Sicklepod (*Cassia obtusifolia*): tough competition for peanuts.
Buchanan, G.A. Hauser, E.W. Auburn, The Station. Highlights of agricultural research. Alabama. Agricultural Experiment Station. Fall 1979. v. 26 (3). p. 10. ill. (NAL Call No.: 100 AL1H).

0559

Suppression of *Sclerotinia* (minor) blight of peanuts with herbicides.
Porter, D.M. Rud, D.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1979. v. 69 (9). p. 1042. (NAL Call No.: 464.8 P56).

0560

Texas *Panicum* control in peanuts with paraquat.
Wentje, G. McGuire, J.A.; Walker, R.H. Auburn, Ala. : The Station. Highlights of agricultural research - Alabama. Agricultural Experiment Station. Spring 1984. v. 31 (1). p. 11. (NAL Call No.: 100 AL1H).

0561

The use of ethalfluralin for weed control in peanuts.
SWSPB. Hicks, R.D. Addison, D.A.; Barrentine, J.L.; Cooper, R.B.; Keaton, J.A.; Mann, R.K.; McNeill, K.E.; Nicholson, J.F. Champaign : The Society. Proceedings - Southern Weed Science Society. Jan 17-19, 1984. (37th). p. 32-35. (NAL Call No.: DNAL 79.9 S08).

0562

Weed control in peanuts.
Swann, C.W. Athens. Circular Georgia. University. Cooperative Extension Service. Jan 1979. Jan 1979. (680). 21 p. (NAL Call No.: 275.29 G29C).

0563

Weed control in peanuts (Oklahoma).
Greer, H.A.L. Sholar, J.R. Stillwater : The Service. OSU extension facts - Cooperative Extension Service, Oklahoma State University. Feb 1983. Feb 1983. (2759). 4 p. Includes references. (NAL Call No.: S544.3.0505).

0564

A weed control strategy for 1980 (Peanuts).
Elliott, J. Raleigh, Harvest. The Peanut farmer. Mar 1980. v. 16 (3). p. 27-29. ill. (NAL Call No.: SB351.A1P3).

0565

Weed control 1981 (Peanuts).
Bickers, L. Raleigh, Harvest Publishing Co. The Peanut farmer. Mar 1981. v. 17 (3). p. 14-16. (NAL Call No.: SB351.A1P3).

0566

Weeds and their control in peanuts.
Buchanan, G.A. Murray, D.S.; Hauser, E.W. Yoakum, Tex. : American Peanut Research and Education Society, 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. Literature review. p. 206-249. ill. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0567

What you can do with (herbicides) Vernam in peanuts and how to do it.
Swann, C.L. Raleigh, Harvest. The Peanut farmer. Feb 1979. v. 14 (2). p. 8, 18. ill. (NAL Call No.: SB351.A1P3).

PESTICIDES - GENERAL

0588

Absorption, translocation, and degradation of SN 533 by soybeans (*Glycine max*) and peanuts (*Arachis hypogaea*) (Herbicide, phytotoxicity). Harrison, H.F. Jr. WEESA. Slife, F.W. Champaign : Weed Science Society of America. Weed science. Mar 1983. v. 31 (2). p. 259-263. 111. Includes references. (NAL Call No.: 79.8 W41).

0589

The effect of fungicides on peanut-field soil microflora. Lankow, R.K. AR-SO. Porter, D.M.; Gouert, J.R. (s.l.). The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 33. 111. (NAL Call No.: SB320.A4).

0570

The effect of sprinkler irrigation on herbicide efficacy, distribution, and penetration in some Coastal Plain soils (Applied on corn, peanuts and soybeans, weed control, southwest Georgia). Dowler, C.C. GARRA. Rohde, W.A.; Fetzer, L.E.; Scott, D.E. Sr.; Sklany, T.E. Athens : The Stations. Research report - University of Georgia, College of Agriculture, Experiment Stations. Aug 1982. Aug 1982. (281). 27 p. 111. Includes references. (NAL Call No.: S51.E22).

0571

Effects of application time of ethylene dibromide and phenamiphos on nematodes, southern stem rot, thrips, and yield of peanuts (*Meloidogyne arenaria*). Minton, N.A. Bell, D.K.; Caines, A.S. Gainesville, Fla., Organization of Tropical American Nematologists. Nematropica. June 1982. v. 12 (1). p. 21-32. 9 ref. (NAL Call No.: SB998.N4N4).

0572

Effects of various herbicide and disulfoton applications on proximate and amino acid composition of shelled peanuts. Cecil, S.R. AR-SO. Hauser, E.W. (s.l.). The Society. Proceedings of American Peanut Research and Education Society. Sept 1980. v. 12 (1). p. 57. (NAL Call No.: SB320.A4).

0573

Hazards of MSMA and DSMA for peanut weed control. Walker, R.H. Hiltbold, A.E.; Granada, G. Auburn, The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Spring 1982. v. 29 (1). p. 3. 111. (NAL Call No.: 100 AL1H).

0574

New biological seed treatment fungicide increases peanut yields. Backman, P.A. Turner, J.T.; Crawford, M.A.; Clay, R.P. Auburn, Ala. : The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Spring 1984. v. 31 (1). p. 4. 111. (NAL Call No.: 100 AL1H).

0575

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FOOD CONTAMINATION, FIELD CROP

0643

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(FOOD CONTAMINATION, FIELD CROP)

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(FOOD CONTAMINATION, FIELD CROP)

0665

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(FOOD CONTAMINATION, FIELD CROP)

0676

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FOOD COMPOSITION

0678

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FOOD COMPOSITION, FIELD CROP

0679

Acidic hexane extraction of oilseeds: product quality (Contamination, aflatoxin, peanuts). Hensarling, T.P. JJASD. Jacks, T.J. Champaign : The Society. Journal of the American Oil Chemists' Society. Dec 1982. v. 59 (12). p. 516-518. 111. 15 ref. (NAL Call No.: 307.8 J82).

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Indirect enzyme-linked immunosorbent assay for detection of aflatoxin B1 in corn and peanut butter. Fan, T.S.L. Chu, F.S. Ames, Iowa : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Apr 1984. v. 47 (4). p. 263-266. Includes references. (NAL Call No.: 44.8 J824).

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FOOD COMPOSITION, HORTICULTURAL CROP

0888

Physicochemical properties of hydrogen peroxide treated groundnut protein (Aflatoxin, protein quality).

Sreedhara, N. Subramanian, N. Chicago, Institute of Food Technologists. Journal of food science. July 1981. v. 46 (4). p. 1260-1264, 1268. 111. Bibliography p. 1264, 1268. (NAL Call No.: 389.8 F7322).

FEED CONTAMINATION TOXICOLOGY

0687

Aflatoxicosis in feeder cattle (Peanut hay, Georgia).
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Aflatoxins and other mycotoxins in peanuts. Diener, U.L. Pettit, R.E.; Cole, R.J. Yoakum, Tex. : American Peanut Research and Education Society, 1982. Peanut science and technology / edited by Harold E. Pattee and Clyde T. Young. Literature review. p. 486-519. 111. Includes references. (NAL Call No.: DNAL SB351.P3P42 1982).

0689

Antinutrients and allergens in oilseeds (Food safety, cottonseed, castor, xenobiotics, peanuts, soybeans).
Ory, R.L. ACSMC. Sekul, A.A.; Mod, R.R. Washington : The Society. ACS Symposium series - American Chemical Society, 1983. Based on a symposium sponsored by the Division of Agricultural and Food Chemistry at the 184th meeting of the American Chemical Society, Kansas City, Missouri, September 12-17, 1982. 1983. (234). p. 285-293. 111. Includes references. (NAL Call No.: QD1.A45).

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Determination of aflatoxin B1 in corn, wheat, and peanut butter by enzyme-linked immunosorbent assay and solid phase radioimmunoassay.
El-Nakib, D. Pestka, J.J.; Chu, F.S. Arlington, Va., The Association. Journal of the Association of Official Analytical Chemists. Sept 1981. v. 64 (5). p. 1077-1082. 111. 19 ref. (NAL Call No.: 381 AS7).

0691

Dilution errors in aflatoxin determinations caused by compounds extracted from peanuts (*Arachis hypogaea*).
Dickens, J.W. JANCA. Whitaker, T.B. Arlington : The Association. Journal of the Association of Official Analytical Chemists. Sept 1983. v. 66 (5). p. 1059-1062. Includes references. (NAL Call No.: 381 AS7).

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Effect of ammoniation on the physicochemical properties of peanut and cottonseed meals (Aflatoxins).
Conkerton, E.J. Chapital, D.C.; Lee, L.S.; Ory, R.L. Chicago, Institute of Food Technologists. Journal of food science. May/June 1981. v. 45 (3). p. 564-566, 569. 111. Bibliography p. 569. (NAL Call No.: 389.8 F7322).

0693

Evaluation of laboratory performance with aflatoxin methods by means of the AOCS (American Oil Chemists' Society) Smalley Check Sample Program (Mycotoxins in peanut, cottonseed and maize meal).
McKinney, J.D. Arlington, Va., The Association. Journal of the Association of Official Analytical Chemists. July 1981. v. 64 (4). p. 939-949. 111. 4 ref. (NAL Call No.: 381 AS7).

0694

Fluorometric screening method for citrinin in corn, barley, and peanuts.
Trantham, A.L. Wilson, D.M. Arlington, Va. : The Association. Journal of the Association of Official Analytical Chemists. Jan/Feb 1984. v. 67 (1). p. 37-38. Includes references. (NAL Call No.: 381 AS7).

AGRICULTURAL PRODUCTS - PLANT

0895

Peanut hulls: their properties and potential uses (Pet litter, mushroom-growing medium, carries for pesticides and fertilizers, mulch, fuel, absorbent for molasses, fillers, drycleaner, absorbent for oil spills, anticaking material, floor-sweeping compound, foundry-sand component, sealant in oil-drilling muds, metal polish, and charcoal briquets, activated carbon).

Albrecht, W.J. New Orleans, The Region. Agricultural reviews and manuals. ARM-S - United States, Dept. of Agriculture, Science and Education Administration. Agricultural Research, Southern Region. Jan 1979. Jan 1979. (1). 5 p. 8 ref. (NAL Call No.: a521.A75U65).

DIET AND DIET RELATED DISEASES

0696

Aflatoxin as a cause of primary liver-cell cancer in the United States: A probability study.

Stoloff, Leonard. Philadelphia : Franklin Institute Press. Extract: Primary liver-cell cancer (PLC) mortality ratios, computed from death certificate records compiled by the National Center for Health Statistics, for the periods 1968-1971 and 1973-1976 were sorted by race, sex, urbanization, and region. From this sort, rural white males from the Southeast and the "North and West" regions were selected for comparison of mortality ratios and past dietary exposure to aflatoxin. Based on projections of recent aflatoxin contamination information back to the 1910-1960 period, and estimates of corn and peanut usage from household food consumption surveys relating to that period, the expected average daily ingestion of aflatoxin B₁ for each group was calculated (Southeast, 13-197 ng/kg bw; North and West, 0.2-0.3 ng/kg bw). An age-adjusted excess PLC mortality ratio was observed for the Southeast population when compared with the "North and West"--10% excess PLC deaths at all ages, and 6% excess PLC deaths for the 30-49 year age-group--but although the difference was in the expected direction in relation to projected past exposure to aflatoxin, it was far from the manyfold difference that would have been anticipated from experiments with rats and from prior epidemiological studies in Africa and Asia. The remaining major portion of the PLC mortality in the Southeast may be attributed to many unidentified causes for which the two populations that were compared were not controlled, leaving in doubt the validity of any attribution of the excess PLC mortality to aflatoxin ingestion. A considerable excess over average US PLC mortality ratios was seen for all Orientals resident in the US and for urban black males. Occurrence of PLC in Orientals has been related to the presence of markers for hepatitis B virus in the blood serum of affected individuals. (author). Nutrition and cancer. 1983. v. 5 (3/4). p. 165-186. ill., charts. Includes 57 references. (NAL Call No.: RC262.C5N8).

polycyclic hydrocarbons. (author/wz). Nutrition and cancer. 1981. v. 2 (4). p. 217-223. charts. 59 ref. (NAL Call No.: RC262.C5N8).

0697

Carcinogens occurring naturally in food.

Hilker, Doris M. Philadelphia, Franklin Institute Press. Extract: The role of carcinogens as metabolites from plant-infecting microorganisms, as products of plant metabolism, as products of food storage, processing, and as obtained from water or soil contaminants, is discussed. Some examples of these types of carcinogens are: fungal metabolites, such as aflatoxins in peanuts stored under improper conditions; safrol from the oil of various plants; tannin in tea, grain and grapes; and polycyclic hydrocarbons, including benzo(a)pyrene, formed by smoking meat and fish. Epidemiological studies indicate that there is a high incidence of gastric cancer in the areas of the world where smoked fish are common in diets. Vitamin A may play a role in preventing the carcinogenic action of

POLLUTION

0698

Assessing impacts of ozone on agricultural crops. II. Crop yield functions and alternative exposure statistics (Barley, beans, cotton, peanuts, sorghum, soybeans, tomato, wheat).

Heck, W.W. Cure, W.W.; Rawlings, J.O.; Zaragoza, L.J.; Heagle, A.S.; Heggestad, H.E.; Kohut, R.U.; Kress, L.W.; Temple, P.J. Pittsburgh, Pa. : William G. Hamlin. Journal of the Air Pollution Control Association. Aug 1984. v. 34 (8). p. 810-817. Includes 12 references. (NAL Call No.: 449.9 AI7).

0699

Injury and yield responses of peanuts to chronic doses of ozone in open-top field chambers (*Arachis hypogaea*, air pollution damage).

Heagle, A.S. PHYTA. Letchworth, M.B.; Mitchell, C.A. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 551-555. Includes references. (NAL Call No.: 464.8 P56).

0700

Soybean yields as influenced by peanut hull applications (Waste products, mulch).

Reneau, R.B. Jr. Jones, G.D.; Lutz, J.A. Jr. Madison, Wis., American Society of Agronomy. Agronomy Journal. July/Aug 1980. v. 72 (4). p. 682-685. 111. (NAL Call No.: 4 AM34P).

MATHEMATICS AND STATISTICS

0701

An analysis of the demand for inputs in peanut production at the Southwest Georgia Branch Station (Emphasis on labor, machinery, fertilizer, pesticides and seed, mathematical models).

Bishop, K.C. Saunders, F.B.; Wetzstein, M.E.; Moss, R.B. Athens, Ga. : The Stations. Research bulletin - University of Georgia, Experiment Stations. June 1984. June 1984. (310). 26 p. Includes 30 references. (NAL Call No.: S51.E2).

0702

A critical-point yield loss model for *Cylindrocladium* black rot of peanut (*Cylindrocladium crotalariae*, *Arachis hypogaea*).

Pataky, J.K. PHYTA. Beute, M.K.; Wynne, J.C.; Carlson, G.A. St. Paul : American Phytopathological Society. Phytopathology. Nov 1983. v. 73 (11). p. 1559-1563. Includes references. (NAL Call No.: 464.8 P56).

HUMAN MEDICINE, HEALTH AND SAFETY

0703

Aflatoxin as a cause of primary liver-cell cancer in the United States: A probability study.

Stoloff, Leonard. Philadelphia : Franklin Institute Press. Extract: Primary liver-cell cancer (PLC) mortality ratios, computed from death certificate records compiled by the National Center for Health Statistics, for the periods 1968-1971 and 1973-1976 were sorted by race, sex, urbanization, and region. From this sort, rural white males from the Southeast and the "North and West" regions were selected for comparison of mortality ratios and past dietary exposure to aflatoxin. Based on projections of recent aflatoxin contamination information back to the 1910-1960 period, and estimates of corn and peanut usage from household food consumption surveys relating to that period, the expected average daily ingestion of aflatoxin B1 for each group was calculated (Southeast, 13-197 ng/kg bw; North and West, 0.2-0.3 ng/kg bw). An age-adjusted excess PLC mortality ratio was observed for the Southeast population when compared with the "North and West"--10% excess PLC deaths at all ages, and 6% excess PLC deaths for the 30-49 year age-group--but although the difference was in the expected direction in relation to projected past exposure to aflatoxin, it was far from the manyfold difference that would have been anticipated from experiments with rats and from prior epidemiological studies in Africa and Asia. The remaining major portion of the PLC mortality in the Southeast may be attributed to many unidentified causes for which the two populations that were compared were not controlled, leaving in doubt the validity of any attribution of the excess PLC mortality to aflatoxin ingestion. A considerable excess over average US PLC mortality ratios was seen for all Orientals resident in the US and for urban black males. Occurrence of PLC in Orientals has been related to the presence of markers for hepatitis B virus in the blood serum of affected individuals. (author). Nutrition and cancer. 1983. v. 5 (3/4). p. 165-186. ill., charts. Includes 57 references. (NAL Call No.: RC262.C5N8).

0704

Aflatoxin in respirable airborne peanut dust. JTEHD6. Sorenson, W.G. Jones, W.; Simpson, J.; Davidson, J.I. Washington, D.C. : Hemisphere Publishing. Journal of toxicology and environmental health. 1984. v. 14 (4). p. 525-533. Includes references. (NAL Call No.: DNAL RA565.A1J6).

CHEMISTRY

0705

The HPLC (High performance liquid chromatography) analysis of aflatoxins in raw peanuts with Sep-pak cleanup (Food composition analysis).

Hurst, W.U. Snyder, K.P.; Martin, R.A. Jr. Raleigh : American Peanut Research and Education Society. Peanut science. Jan/June 1984. v. 11 (1). p. 21-23. 111. Includes 6 references. (NAL Call No.: SB351.P3P39).

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